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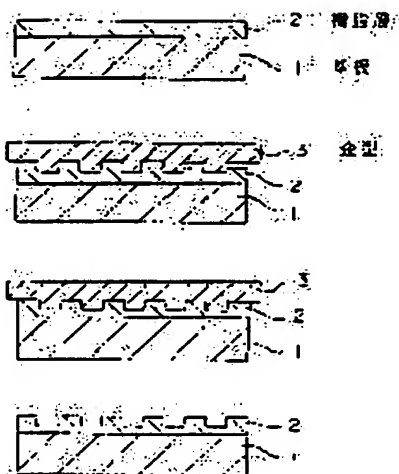
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(21)Application number : 02-120872 (71)Applicant : KURARAY CO LTD

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(54) MANUFACTURE OF OPTICAL PART



(57)Abstract:

PURPOSE: To exactly transfer a tongue-and-groove structure formed on a mold and obtain an industrially profitable optical part by a method wherein the mold, which is heated up to the heat distortion temperature of the resin composing resin layer, is pressed against the resin layer, the temperature of which is held below its heat distortion temperature.

CONSTITUTION: By pressing a mold 3, which is heated up to the heat distortion temperature of the resin composing resin layer 2, against the surface of the resin layer 2, the temperature of which is held below its heat

distortion temperature, the tongued parts of the mold 3 firstly come into contact with the resin layer 2, resulting in dispelling air interposing between the mold 3 and the resin layer 2. Heat is transferred through the resin layer 2 contacting with said heated mold 3, resulting in gradually imbedding the mold 3 in the layer 3. Thus, since no bubble generates between the mold 3 and the resin during forming, the tongue-and-groove structure formed on the mold 3 is exactly transferred to the resin layer 2.

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